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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/681,149	10/09/2003	Sang-Don Jang	1572.1166	8823
21171 7	590 01/09/2006		EXAMINER	
STAAS & HALSEY LLP		NOVOSAD, JENNIFER ELEANORE		
SUITE 700 1201 NEW YC	RK AVENUE, N.W.		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20005			3634	

DATE MAILED: 01/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Examiner Jennifer E. Novosad ears on the cover sheet with the country of the cover sheet with the country of the cover sheet with the country of the country of the cover sheet with the country of the	S) OR THIRTY (30) DAYS, N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
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tober 2003 and 24 October 200	<u>5</u> .					
This action is FINAL . 2b)⊠ This action is non-final.						
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
4)⊠ Claim(s) <u>1-32</u> is/are pending in the application.						
4a) Of the above claim(s) <u>10-32</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
)⊠ Claim(s) <u>1-9</u> is/are rejected.						
Claim(s) is/are objected to.						
election requirement.						
9) The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 09 October 2003 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
on is required if the drawing(s) is ob						
aminer. Note the attached Office	Action or form PTO-152.					
have been received. have been received. have been received in Application ty documents have been received (PCT Rule 17.2(a)). of the certified copies not received.	ion No. <u>10/681,149</u> . ed in this National Stage					
Paper No(s)/Mail D 5) Notice of Informal F						
	action is non-final. ce except for formal matters, procept and another and the process of parte Quayle, 1935 C.D. 11, 45 and from consideration. election requirement. a) accepted or b) objected arawing(s) be held in abeyance. Second is required if the drawing(s) is obtaining. Note the attached Office arawing under 35 U.S.C. § 119(and have been received. The have been received and the process of the certified copies not received (PCT Rule 17.2(a)). The certified copies not received the certified the certified copies not received the certified the cer					

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DETAILED ACTION

Election/Restriction

Applicant's election without traverse of Group I, i.e., claims 1-9, in the reply filed on October 24, 2005 is acknowledged.

Thus, claims 10-32 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 3, 6, and 9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 is rendered indefinite by the recitations "support side edges" and "supporting a front edge" in lines 3 and 4, respectively. *In particular*, these *positive* recitations improperly seek to link positively recited structure, i.e., the supporters, to functionally recited structure, i.e., the edges of the glass. A functional recitation, such as --adapted to support--, should only be used when linking positive structure to functional structure. This rejection is also applicable to claim 3 (see lines 4 and 8).

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Claims 6 and 9 are rendered indefinite since applicant improperly seeks to further define a functionally recited element, i.e., the transfer device which has been functionally set forth in claims 4 and 7, respectively. *Thus*, the claims fails to further limit the positive claimed structure of the cassette therefore making it unclear as to what the metes and bounds of the claim are.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,092,981 (Pfeiffer et al. '981).

Pfeiffer et al. '981 disclose a cassette (see Figures 9-11) comprising side frames (vertically extending elements in the left rear and right rear perspective in Figure 9), a rear frame (vertically extending element in the left front perspective) and a front frame (element 102 and the vertically extending element in the right front perspective) whereby each frame is cylindrical (at 62 in Figure 6) and each frame comprises a plurality of supporters (68 - see Figure 6) capable of supporting edges of a glass; the rear and front frames having a center supporter (66) disposed amid the plurality of supporters (68) whereby the center supporter (66) is longer (see Figure 6) than the rear and front supporters (68); the front frame (at 102) including an arm accommodator (hole therein) which allows a transfer device (120-130) to enter the cassette; and with respect to claims 5 and 8, the arm accommodator having a step shape (see bottom of Figure 9 which shows

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a notched side on the left and right sides thereof) - it is noted that the claims do not require that the step shape needs to accommodate the transfer device.

With respect to claims 6 and 9, it is noted that although Pfeiffer et al. '981 do not disclose the transfer device as being a robot arm, the transfer device is capable of being a robot arm. In view of the Section 112, 2nd paragraph rejection, advanced above, the claim is not positively requiring the transfer device. Thus, a reference need only be capable of being used with such an element in order to meet the language of the claim. Accordingly, Pfeiffer et al. '981 are considered to be capable of being used with a robot arm, thereby meeting the claimed language.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent No. 4,872,554 shows a cassette having frames and supporters.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer E. Novosad whose telephone number is 571-272-6832. The examiner can normally be reached on Monday-Thursday, 5:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard E. Chilcot can be reached on 571-272-6777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jennffer E. Novosad Primary Examiner Art Unit 3634

January 5, 2006